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Message Text

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R 100121Z SEP 77
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TO AMEMBASSY MOSCOW
INFO AMCONSUL LENINGRAD

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E.O. 11652: N/A

TAGS: TGEN, TECH

SUBJECT: USA/USSR PROGRAM FOR INTERCOMPARISON OF TEMPERATURE SENSING PROBES

FOR DR. JACK GOSNELL, SCIENCE OFFICER

1. MR. HARDY TROLANDER, PRESIDENT, YELLOW SPRINGS INSTRUMENT COMPANY, AND TECHNICAL ADVISOR FOR A US-ADMINISTERED SECRETARIAT ON TEMPERATURE, WITHIN THE INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY (OIML), MET RECENTLY WITH YOU CONCERNING PLANS FOR A USA/USSR PROGRAM FOR INTERCOMPARISON OF TEMPERATURE SENSING PROBES.

2. WORKING WITH YOUR ASSISTANCE, AND MS. SPEARS', CONSULATE LENINGRAD, TROLANDER VISITER SOVIET ALL UNION INSTITUTE OF METROLOGY IN LENINGRAD AND COMPLETED PLANS FOR SOVIET
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PARTICIPATION IN INTERCOMPARISON PROGRAM. IN ACCORDANCE WITH AGREEMENT BETWEEN MR. TROLANDER AND HIS SOVIET COUNTERPART, MR. B. N. OLEINIK, CHIEF, TEMPERATURE MEASUREMENT DEPARTMENT, ALL UNION INSTITUTE OF METROLOGY, MOSCOW PROSPECT 15, LENINGRAD, TWO THERMISTOR TEMPERATURE PROBES FROM YELLOW SPRINGS INSTRUMENT COMPANY WILL BE FORWARDED TO MR. OLEINIK BY OCTOBER 1, 1977, TO BEGIN THE INTERCOM-

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PARISON PROGRAM.

3. DEPARTMENT PLANS TO POUCH PROBES WHOSE TOTAL WEIGHT BELOW ONE POUND, TO EMBASSY BY SEPTEMBER 26. EMBASSY IS REQUESTED TO CONTACT MR. OLEINIK AND ARRANGE DELIVERY OF PROBES TO CONSULATE LENINGRAD BY OCTOBER 1. PROBES SHOULD BE PERSONALLY DELIVERED TO MR. OLEINIK, WHO SHOULD BE TOLD THAT PROBES SHOULD BE RETURNED AS SOON AS POSSIBLE AND THAT DUE CARE SHOULD BE EXERCISED IN PACKING THEM FOR RETURN. US CONSULATE, LENINGRAD, IS REQUESTED TO RETURN POUCH PROBES TO DEPARTMENT, ATTENTION FRANK LANCETTI, IO/SCT.

4. FOR EMBASSY INFORMATION: THERMISTOR PROBES BEING EMPLOYED IN INTERCOMPARISON STUDY BETWEEN NATIONAL STANDARDS LABORATORIES ARE REPRESENTATIVE OF THOUSANDS OF TEMPERATURE SENSING PROBES PRODUCED OVER PAST TWENTY YEARS FOR TEMPERATURE MEASURING APPLICATIONS IN THE LIFE-ENVIRONMENTAL SCIENCES THROUGHOUT THE WORLD. THEY ARE FREQUENTLY USED IN COLLECTION OF MEDICAL DATA AND OTHER CRITICAL APPLICATIONS AND THU, REQUIRE ACCURATE CALIBRATION. INCREASINGLY, THE NATIONAL STANDARDS LABORATORIES HAVE BECOME INVOLVED IN THIS PROCESS. THUS, THE PURPOSE OF THIS INTERCOMPARISON IS TO DETERMINE DEGREE OF AGREEMENT BETWEEN A NUMBER OF THE PRINCIPAL STANDARDS LABORATORIES IN THEIR CALIBRATION OF THERMISTOR PROBES INVOLVED IN
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THIS EXERCISE.

5. THE US AND THE USSR ARE PRINCIPAL MEMBERS OF INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY, WHICH HAS BEEN ESTABLISHED BY TREATY. THE PRIMARY PURPOSE OF THE ORGANIZATION IS TO ESTABLISH UNIFORM LAWS AND REGULATIONS COVERING MEASURING INSTRUMENTS THROUGHOUT THE WORLD. THE THERMISTOR PROBE INTERCOMPARISON IS ONE OF BASIC MEANS OF TESTING UNIFORMITY OF MEASUREMENT WITHIN TREATY NATIONS. TEMPERATURE PROBES INVOLVED IN THIS INTERCOMPARISON ARE 15 YEARS OLD AND THUS DO NOT EMBODY NEW AND POSSIBLY SENSITIVE TECHNOLOGY. THE USSR HAS PRODUCED SIMILAR TEMPERATURE PROBES THROUGHOUT THIS PERIOD. VANCE

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Disposition Approved on Date:
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To: MOSCOW
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